

**To:** Flowers, Lynn[Flowers.Lynn@epa.gov]  
**Cc:** Moya, Jacqueline[Moya.Jacqueline@epa.gov]; Phillips, Linda[Phillips.Linda@epa.gov]  
**From:** Vandenberg, John  
**Sent:** Fri 8/14/2015 12:34:54 PM  
**Subject:** Re: Sediment/Soil Recreational Screening urgent. Levels for the Animas

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I'm just getting in now and will respond ASAP

Sent from my iPhone

On Aug 14, 2015, at 8:28 AM, "Flowers, Lynn" <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)> wrote:

John-I just responded to Tom that we would get back. I think he is looking for our bottom line statement and didn't want to craft that one on my own (especially since we still need arsenic and lead info. I thought we would find it, but we didn't. Should have called R8 right away but was also aware that they didn't know we were doing this.)

Linda is working from home at [Personal Phone/Ex. 6] As for the paragraph about dermal exposure, as we discussed, it would start out with "Dermal exposure to river water and sediment is not expected to pose a health risk based in the available data..." I know you emailed R8 for the site specific info on arsenic and lead. Maybe Linda could call Susan Griffin. Please hook up with Linda!! I will watch email!

Sent from my iPhone

Begin forwarded message:

**From:** "Burke, Thomas" <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)>  
**Date:** August 13, 2015 at 8:45:24 PM EDT  
**To:** "Flowers, Lynn" <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>, "Vandenberg, John" <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>  
**Cc:** "Kavlock, Robert" <[Kavlock.Robert@epa.gov](mailto:Kavlock.Robert@epa.gov)>, "Smith, Kelley" <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>  
**Subject: Fwd: Sediment/Soil Recreational Screening urgent. Levels for the Animas**

See table 2. Do you understand the derivation of the soil numbers? Are they reasonable and in the ballpark with your work?

Need an answer ASAP

Tom

Thomas A. Burke, PhD, MPH  
Deputy Assistant Administrator  
EPA Science Advisor  
Office of Research and Development

202-564-6620  
[burke.thomas@epa.gov](mailto:burke.thomas@epa.gov)

Begin forwarded message:

**From:** "Keteles, Kristen" <[Keteles.Kristen@epa.gov](mailto:Keteles.Kristen@epa.gov)>  
**Date:** August 13, 2015 at 7:42:38 PM EDT  
**To:** "Burke, Thomas" <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)>  
**Cc:** "McGrath, Shaun" <[McGrath.Shaun@epa.gov](mailto:McGrath.Shaun@epa.gov)>  
**Subject: Sediment/Soil Recreational Screening Levels for the Animas**

Hi Dr. Burke,

Shaun asked me to send you the document containing the Recreational Screening Levels that Regions 6, 8, and 9 agreed upon during the Environmental Unit Call yesterday. Screening levels were developed for both surface water as well as exposure to soil/sediment for recreational receptors (hikers/backpackers/rafters). Please see table 2 in the attached document for the sediment/soil recreational screening levels.

Kristen Keteles

Kristen Keteles, Ph.D.

Toxicologist

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